

(19)



Europäisches Patentamt
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Office européen des brevets



(11) Publication number:

0 492 671 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **91122339.4**

(51) Int. Cl.⁵: **G06F 11/26, G06F 11/00**

(22) Date of filing: **23.12.91**

(30) Priority: **24.12.90 US 632939**

(43) Date of publication of application:
01.07.92 Bulletin 92/27

(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

(88) Date of deferred publication of the search report:
30.12.92 Bulletin 92/53

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(54) **System for analysis of embedded computer systems.**

(57) A system can "shadow" the execution of a target-ECS in real time operation, within or without a suite of computers, and record only the necessary information for later re-creation of the real time scenario, without interfacing with the operation of the target-ECS. Such systems include interface means connected by a one-directional bus with the target-ECS and means for converting said input signals to generic input signals, means for converting said generic input signals to unique input events and for providing said unique input events, when needed, to a system connected to said interface means by the bus and including means for storing the unique input events on a permanent storage device during a recording mode and replaying said unique input events during a re-creation mode.

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EUROPEAN SEARCH REPORT

Application Number

EP 91 12 2339

DOCUMENTS CONSIDERED TO BE RELEVANT

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	EP-A-0 062 978 (THE SECRETARY OF STATE FOR INDUSTRY IN HER MAJESTY'S GOVERNMENT)	1,2,11, 12,20, 29,32,34 24,26	G06F11/26 G06F11/00
A	* page 2, line 4 - page 3, line 7 * * page 3, line 17 - line 36 * * page 4, line 35 - line 38 * * page 5, line 13 - page 6, line 26 * * page 7, line 26 - page 8, line 4 * * figures 1,3 * ---		
A	EP-A-0 286 988 (HUGHES AIRCRAFT COMPANY) * abstract * * page 3, line 27 - page 4, line 3 * * page 5, line 44 - line 57 * * page 10, line 21 - line 35 * * page 13, line 9 - line 16 * * figures 1,2 * -----	1,3,20, 21	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G06F
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 13 OCTOBER 1992	Examiner MASCHE C.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	